

**AMENDMENTS TO THE CLAIMS**

1-12. (cancelled)

13. (currently amended) Amphipathic polymer particles prepared by polymerizing a plurality of components comprising:  
an unsaturated monomer containing a hydrophilic moiety, polymerized through an ATRP process, and  
an unsaturated monomer containing a hydrophobic moiety, polymerized in an emulsion,  
wherein the plurality of components are combined to form amphipathic copolymer polymer particles having have a size range of 50-500 nm, and a polydispersity index in the range of 1-1.2.

14. (original) The amphipathic polymer particles of claim 13, further comprising a polymerizable dye moiety, polymerized through the ATRP process.

15. (original) The amphipathic polymer particles of claim 13, further comprising a cross linker polymerized in the emulsion.

16. (previously presented) The amphipathic polymer particles of claim 13, wherein the content of the hydrophobic moiety is in the range of 30% to 99% by weight, the content of the hydrophilic moiety is in the range of 1% to 60% by weight.

17-23. (cancelled)